



Technical Service Bulletin

SUBJECT: ON-VEHICLE RADIO TRANSMISSION EQUIPMENT INSTALLATION PRECAUTIONS – SERVICE MANUAL REVISION			No: TSB-23-00-014
			DATE: July 2023
			MODEL: See below
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

PURPOSE

This TSB provides precautions for the installation of On-Vehicle Radio Transmission Equipment in the applicable Service Manual sections:

- Precautions before Service
- Precautions for installation of On-Vehicle Radio Transmission equipment

AFFECTED VEHICLES

2023 Mirage
2023 Mirage G4
2022-2023 Outlander
2022-2023 Outlander PHEV

AFFECTED SERVICE MANUAL

- 2023 Mirage Service Manual
- 2023 Mirage G4 Service Manual
- 2022-2023 Outlander
- 2022-2023 Outlander PHEV

PROCEDURE

Please use the following chart as a guide to replace the indicated pages in the affected Service Manuals, Group 00, General, Precautions before Service.



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MIRAGE / MIRAGE G4

Applicable manual	Pub. No.	Applicable title (SIE No.)	Content
2023 MIRAGE Workshop Manual	MSCD-016B-2023	GENERAL └ PRECAUTIONS BEFORE SERVICE └ PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT	Attached sheet 3
2023 MIRAGE G4 Workshop Manual	MSCD-019B-2023	GENERAL └ PRECAUTIONS BEFORE SERVICE └ PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT	Attached sheet 4

OUTLANDER / OUTLANDER PHEV

Applicable manual	Pub. No.	Applicable title (SIE No.)	Content
2022 OUTLANDER Service Manual	MSCD-030B-2022 (Volume 2)	Added below “GENERAL INFORMATION └ GENERAL INFORMATION └ PREPARATION └ PRECAUTIONS └ Fuel”	Attached sheet 5
2023 OUTLANDER PHEV Service Manual	<MMNA> MSCD-027B-2023 <MEXICO> DRAFT	GENERAL INFORMATION └ GENERAL INFORMATION └ PREPARATION └ PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT	Attached sheet 6

**PRECAUTIONS FOR INSTALLATION OF
ON-VEHICLE RADIO TRANSMISSION
EQUIPMENT**

M10010155A0013

The computers (control unit) for various on-vehicle electronic equipment are provided with sufficient protective measures against external radio wave interference. However, because the on-vehicle radio transmission equipment may affect adversely the computers (control unit), pay attention to the following precautions for installation.

- Install radio transmission equipment and antenna (including coaxial cables) 200 mm (7.9 inches) or more away from the computers (control unit) for on-vehicle electronic equipment.
- Because radio wave is radiated from the coaxial cables of the antenna for radio transmission equipment, do not route the cables in parallel with the vehicle wiring harness.

- Install only radio transmission equipment with the frequencies and the output described in the table.

**FREQUENCY AND OUTPUT OF THE RADIO
TRANSMISSION EQUIPMENT**

Frequency (MHz)	Maximum output power (W)
3.5	50
7	
14	
21	
28	
50	
144	
430	
1,260	

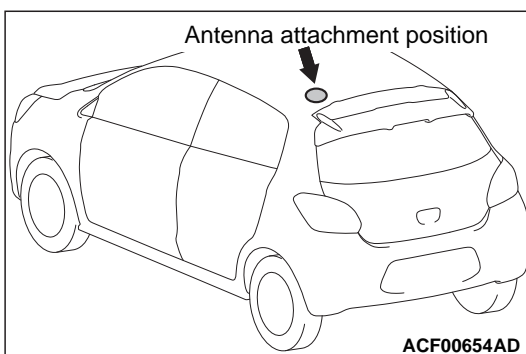
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- Install only radio transmission equipment with the frequencies, output, and radio wave types described in the table.

**FREQUENCY, OUTPUT, AND RADIO WAVE TYPE OF
THE RADIO TRANSMISSION EQUIPMENT**

Frequency (MHz)	Maximum output power (W)	Modulation
3.5	50	CW, FM, AM, SSB
7		
14		
21		
28		
50		
144		
430		
1,260		

<Incorrect>



- Install the antenna for radio transmission equipment only to the position shown in the figure.

PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT

M10010155A0015

The computers (control unit) for various on-vehicle electronic equipment are provided with sufficient protective measures against external radio wave interference. However, because the on-vehicle radio transmission equipment may affect adversely the computers (control unit), pay attention to the following precautions for installation.

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Frequency (MHz)	Maximum output power (W)
3.5	50
7	
14	
21	
28	
50	
144	
430	
1,260	10

<Correct>

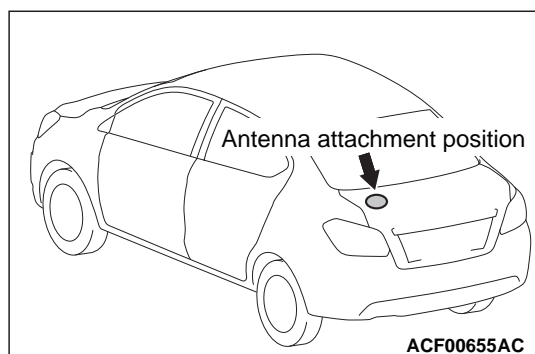
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FREQUENCY, OUTPUT, AND RADIO WAVE TYPE OF THE RADIO TRANSMISSION EQUIPMENT

Frequency (MHz)	Maximum output power (W)	Modulation
3.5	50	CW, FM, AM, SSB
7		
14		
21		
28		
50		
144		
430		
1,260	2	

<Incorrect>

- Install the antenna for radio transmission equipment only to the position shown in the figure.



GENERAL INFORMATION

<Added>

PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT

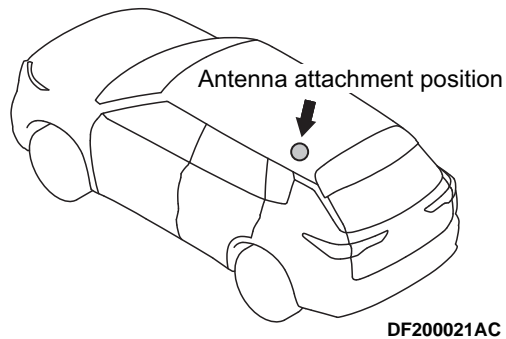
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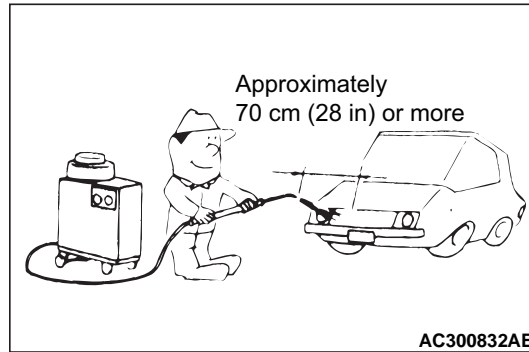
FREQUENCY AND OUTPUT OF THE RADIO TRANSMISSION EQUIPMENT

Frequency (MHz)	Maximum output power (W)
3.5	50
7	
14	
21	
26 - 30	
50 - 54	
144 - 174	
380 - 410	30
430	50
1,260	10



Install the antenna for radio transmission equipment only to the position shown in the figure.

VEHICLE WASHING



If high-pressure car-washing equipment or steam car-washing equipment is used to wash the vehicle, be sure to note the following information in order to avoid damage to plastic components, etc.

- Spray nozzle distance: Approx. 70 cm (28 in.) or more
- Spray pressure: 8,000 kPa (1,160 psi) or less
- Spray temperature: 82°C (180°F) or less
- Time of concentrated spray to one point: within 30 sec.

PRECAUTIONS FOR INSTALLATION OF ON-VEHICLE RADIO TRANSMISSION EQUIPMENT

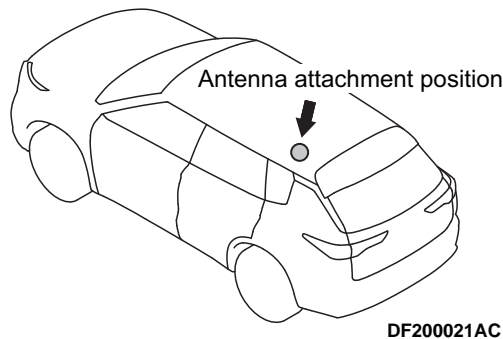
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Frequency (MHz)	Maximum output power (W)	Modulation
3.5	50	CW, FM, AM, SSB
7		
14		
21		
28		
50		
144		
430	2	
1,260		

← Attached sheet 6 (2/2)
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FREQUENCY AND OUTPUT OF THE RADIO TRANSMISSION EQUIPMENT

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1,260	10